TEXAS A&M UNIVERSITY
Soil & Crop Sciences

Hillsboro
2022 Grain Sorghum
Performance Trial

TEXAS A&M AGRILIFE

Brand	Hybrid	Days to 50% Flower	Plant Height (in)	Head Ex (in)	Lodging (%)	Moisture (%)	Test Weight (lbs/bu)	Yield * (lbs/acre)
Mean		70	51	3	24.7	8.4	56.7	2,835
C.V. %		1.5	3.3	37.0	53.8	11.6	2.7	29.6
P>f (hybrid)		0.000	0.000	0.000		0.086	0.001	
L.S.D.		1.5	2.4	1.5			2.3	

Agronomic information

Plant Date	3/25/2022
Harvest Date	8/4/2022
Irrigated	No
Row Spacing (in)	30
Number of Rows	2
Target Seeds per Acre	65,000
Precipitation (in)	13.5
Irrigation (in)	

Herbicide

1 qt/ac Roundup Powermax + 14 oz/ac Outlook + 24 oz/ac Callisto Extra at planting

Soil Type	Tinn clay
Tillage	Conventional
Previous Crop	Cotton

Trial Notes

*Insecticide: 4 oz/ac lambda cy + 8 oz/ac dimethoate
*7 lb/ac magnesium applied

*Results not published due to high CV.

* Mehlich 3 by ICP, soiltesting.tamu.edu
** Samples collected at planting, some locations may have applied fertilizer

Cooperator: Josh Birdwell

Four replications of each hybrid are planted in a randomized block design. Model : yield = hybrid blk. SAS 9.4 was used for statistical analysis. LSD provided when hybrid significant at p < 0.05. Yields highlighted in yellow are not statistically different from the top ranked hybrid. Plots were planted using a SRES Advanced planter with Monosem units. Plots were harvested with a JD 3300 plot combine fitted with a Harvest Master GrainGage System. Precipitation data was recorded from January 1 through the harvest date.For additional information contact:

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Fertilizer Applied

N (lb/ac)	140
P2O5 (lb/ac)	49
K2O (lb/ac)	15
S (lb/ac)	16
Zn (lb/ac)	0

Soil Analysis Report**

NO3-N (ppm)	54	pH	7.6
P (ppm)*	32	Conductivity (umho/cm)	367
K (ppm)*	394	Ca (ppm)*	9,484
S (ppm)*	16	Mg (ppm)*	270
		Na (ppm)*	31

*Yields highlighted in yellow are not significantly different (L.S.D., p=0.05) from the top ranked hybrid.